Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/10/2017 10:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124121	-1	1.55	123958	1.50
Blue	F	SSC	125000	123897	-1	3.06	124201	2.82
Blue	E	FITC	21625	21119	-3	2.43	945	10.13
Blue	D	PE	26832	26523	-2	1.95	953	9.43
Blue	B	PerCP-Cy5-5	48027	47451	-2	3.33	1357	16.43
Blue	A	PE-Cy7	40971	40668	-1	5.00	626	34.65
Red	C	APC	49746	49145	-2	2.82	2829	9.46
Red	A	APC-Cy7	53615	52648	-2	2.85	1086	11.07
Violet	B	V450	14488	13854	-5	5.74	665	9.87
Violet	A	V500	55123	54168	-2	5.54	2398	7.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19438	4.55	606	8	N/A	N/A	Pass
Blue	F	SSC	61818	1.44	535	1	N/A	N/A	Pass
Blue	E	FITC	105	38.92	535	-1	0.0212	178	Pass
Blue	D	PE	208	28.15	531	0	0.1743	244	Pass
Blue	B	PerCP-Cy5-5	213	43.01	627	-2	0.0108	74	Pass
Blue	A	PE-Cy7	68	116.90	677	-4	0.0126	17	Pass
Red	C	APC	332	27.00	587	-7	0.0203	30	Pass
Red	A	APC-Cy7	118	41.34	570	-10	0.0059	2024	Pass
Violet	B	V450	81	41.90	467	-4	0.0466	1885	Pass
Violet	A	V500	175	22.46	493	-3	0.0154	411	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.16	0.89
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.43	13.27 - 19.91	N/A	N/A	31.07	31.76	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10309

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments